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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65B29/02 B65B B65B47/04 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 **B65B** Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category 9 Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Υ US 4 437 294 A (ROMAGNOLI ANDREA) 1-6,9,1120 March 1984 (1984-03-20) column 4, line 52 - column 7, line 20; figures Υ US 4 034 536 A (MAHAFFY REID A ET AL) 1-6,9,11 12 July 1977 (1977-07-12) column 4, line 36 - column 8, line 33; figures A US 4 609 556 A (GOEDERT NICOLAS) 1 2 September 1986 (1986-09-02) the whole document A US 4 404 787 A (HAZELWOOD GEOFFREY) 1 20 September 1983 (1983-09-20) the whole document -/--Further documents are listed in the continuation of box C. X X Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the \*A\* document defining the general state of the art which is not considered to be of particular relevance invention 'E' earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 26 October 2004 08/11/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Vigilante, M

IB2004/002566

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Delayart to 12 A
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 813 848 A (ROMAGNOLI A) 4 June 1974 (1974-06-04) the whole document	1
A	EP 0 432 126 A (CLOUD CORP) 12 June 1991 (1991-06-12) the whole document	1
A	US 5 233 813 A (KENNEY ALAN G ET AL) 10 August 1993 (1993-08-10) the whole document	1
į		

IB2004/002566

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4437294	А	20-03-1984	IT CA CH DE FR GB JP	1133279 B 1163549 A1 646387 A5 3115589 A1 2480707 A1 2074133 A ,B 57001019 A	09-07-1986 13-03-1984 30-11-1984 25-03-1982 23-10-1981 28-10-1981 06-01-1982
US 4034536	Α	12-07-1977	NONE		
US 4609556	A	02-09-1986	EP AT CA DE DK ES GR IE PT	0095542 A1 20656 T 1201090 A1 3271934 D1 363482 A ,B 8307639 A1 77349 A1 53195 B1 75487 A ,B	07-12-1983 15-07-1986 25-02-1986 14-08-1986 , 29-11-1983 01-11-1983 11-09-1984 17-08-1988 01-09-1982
US 4404787	Α	20-09-1983	CA CH DE GB IT	1151989 A1 651515 A5 3108178 A1 2072144 A ,B 1142666 B	16-08-1983 30-09-1985 07-01-1982 30-09-1981 15-10-1986
US 3813848	A	04-06-1974	CH DE FR GB JP	518831 A 2061719 A1 2091766 A5 1303948 A 55066901 U	15-02-1972 02-12-1971 14-01-1972 24-01-1973 08-05-1980
EP 0432126	A	12-06-1991	US CA DE DE EP	5081819 A 2006747 A1 69013303 D1 69013303 T2 0432126 A1	21-01-1992 04-06-1991 17-11-1994 11-05-1995 12-06-1991
US 5233813	A	10-08-1993	AT DE DK EP AU AU CA CN DE DE DE UO EP ES IE IN IT	93798 T 69003065 T2 422157 T3 0422157 A1 181707 T 1483995 A 618893 B2 5406990 A 2031502 A1 1046714 A 69003065 D1 69033194 D1 69033194 T2 9013487 A1 0548057 A1 2043369 T3 64933 B1 950203 L 177265 A1 1240815 B	15-09-1993 16-12-1993 10-01-1994 17-04-1991 15-07-1999 18-05-1995 09-01-1992 29-11-1990 29-10-1990 07-11-1990 07-10-1993 05-08-1999 28-10-1999 15-11-1990 23-06-1993 16-12-1993 20-09-1995 28-10-1990 21-12-1996 17-12-1993

IB2004/002566

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5233813 A		NZ US ZA	233445 A 5459980 A 9003190 A	27-01-1993 24-10-1995 24-12-1991